

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
March
2005

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resource

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://wwwoco.water.ca.gov>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Rewvisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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For details, please contact:

State of California
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Or call the DWR Publications Desk at (916) 653-1097

Please direct questions and comments regarding the contents of this report to the Operations Records and Reports Section at (916) 574-2672 or ocoweb@water.ca.gov.

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LESTER A. SNOW, Director

LESLIE HARDER JR
Deputy Director

RALPH TORRES
Deputy Director

GERALD JOHNS
Deputy Director

TIMOTHY HAINES
Deputy Director

REUBEN JIMENEZ
Deputy Director

MARK COWIN
Deputy Director

DIVISION OF OPERATIONS AND MAINTENANCE

Carl Torgersen.....Chief, Division of Operations and Maintenance

This report was prepared under the direction of

Coe Hall Office Chief, Utility Administration Reporting & Systems Office
Chris Mattos Branch Chief, Contract Administration & Reporting Branch

By the Reporting Section

Guy Masier Section Chief
Michael Nolasco Water Resources Engineering Associate (Specialist)
Mary Serrato Water Resources Engineering Associate (Specialist)
David W. Brown Water Resources Engineering Associate (Specialist)

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The organization shown above represents staff and positions relevant to this report as of the publication date.
It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of March 2005.

Statewide precipitation was 140 percent of average for the 2004-2005 water year as of March 31. Statewide runoff was 75 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

Total storage in major SWP reservoirs on March 31 was about 4.2 MAF, compared with about 4.8 MAF at this time in 2004. Average total storage in the major SWP reservoirs for 2005 through March 31 was about 3.8 MAF. End of month storage at Lake Oroville was about 2.46 MAF as compared to 3.07 MAF last year. The State's share of San Luis Reservoir storage was about 1.06 MAF, as compared with 1.07 MAF at this time last year. End of month combined storage in our southern reservoirs was about 651 TAF, compared with about 671 TAF at this time last year.

Through March, SWP water deliveries for 2005 were about 924 TAF. This is a combination of project, transfer, and exchange waters. This is 25 TAF less than that delivered during the same period in 2004.

On March 25 San Luis Reservoir reached a maximum storage and elevation of 2,031,395 AF at 543.28 ft.

March 17, at 1533, an earthquake, magnitude 4.1, occurred 13 miles west of Eureka. No damage to State Water Project. A second earthquake, magnitude 4.2, occurred at 2324 36 miles SSE of Eureka. No damage to State Water Project.

March 18 at 2139, Pearblossom Unit 7 was forced out of service due to the loss of 220 gallons of oil from the hydraulic oil system through the upstream seat. Oil booms were in place at 2321, and water quality personnel were called out to monitor the clean up efforts.

At about 1300 hours on March 23, a landslide occurred in Posey Canyon, breaking a 14 inch crude oil pipeline that delivers oil from Bakersfield to Los Angeles area refineries. Posey Canyon drains into and is east of Pyramid Lake. The pipeline is owned by Pacific Pipeline, they were notified and isolated and drained the pipeline (via remote valves). First estimates were 1000 barrels of oil, but that was later revised up to 3000 barrels (about 120,000 gallons). A unified incident command was set up at Vista Del Lago, with California Department of Fish & Game, US Forest Service and Pacific Pipeline as the lead agencies. DWR, CHP, Los Angeles County Sheriff, and State Fire Marshal were also involved in the incident response. The bulk of the oil was contained in Posey Canyon cove. Weather co-operated with cleanup efforts with a light breeze blowing the oil into Posey Canyon cove.

On March 28, skimming operations on the west side at Pyramid were continuous. Oil densities were decreasing and the crews were making good progress. Work continued into the late night with a crane and the clamshell removing heavy debris in front of the dam. An additional 486 barrels of oil were collected on Sunday for a total of 827 barrels for the two day period with an expected 500 barrels to be collected on Monday. There were an estimated 4,400 feet of contaminated shoreline. Progress on the cleanup was approximately 60 percent completed on the lake but the shoreline still needed to be cleaned up.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Feb 28	4992.63	14,804									
1	4992.70	14,855	51	5	0	0	0	1	6	32	
2	4992.77	14,906	51	5	0	0	0	2	7	33	
3	4992.84	14,957	51	5	0	0	0	1	6	32	
4	4992.90	15,000	43	5	0	0	0	2	7	29	
5	4992.98	15,059	59	5	0	0	0	1	6	36	
6	4993.05	15,110	51	5	0	0	0	2	7	33	
7	4993.14	15,177	67	5	0	0	0	1	6	40	
8	4993.25	15,258	81	5	0	0	0	1	6	47	
9	4993.40	15,369	111	5	0	0	0	2	7	63	
10	4993.57	15,495	126	5	0	0	0	2	7	71	
11	4993.78	15,652	157	5	0	0	0	1	6	85	
12	4993.98	15,803	151	5	0	0	0	2	7	83	
13	4994.19	15,962	159	5	0	0	0	1	6	86	
14	4994.31	16,053	91	5	0	0	0	2	7	53	
15	4994.42	16,137	84	5	0	0	0	1	6	48	
16	4994.54	16,229	92	5	0	0	0	2	7	53	
17	4994.66	16,321	92	5	0	0	0	1	6	52	
18	4994.72	16,367	46	5	0	0	0	2	7	30	
19	4994.92	16,522	155	5	0	0	0	1	6	84	
20	4995.10	16,662	140	5	0	0	0	2	7	78	
21	4995.20	16,738	76	5	0	0	0	1	6	44	
22	4995.46	16,944	206	5	0	0	0	2	7	111	
23	4995.62	17,070	126	5	0	0	0	1	6	70	
24	4995.76	17,181	111	5	0	0	0	2	7	63	
25	4995.86	17,260	79	5	0	0	0	1	6	46	
26	4995.97	17,348	88	5	0	0	0	2	7	51	
27	4996.25	17,572	224	5	0	0	0	2	7	120	
28	4996.56	17,823	251	5	0	0	0	1	6	133	
29	4996.79	18,010	187	5	0	0	0	1	6	100	
30	4996.92	18,116	106	5	0	0	0	2	7	60	
31	4997.07	18,239	123	5	0	0	0	1	6	68	
Total cfs-days				---	155	0	0	46	201	1,934	
Total ac-ft				3,435	307	0	0	92	399	3,834	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
Feb 28	5565.07	26,216								
1	5,564.79	25,939	-277	2	0	0	0	2	4	
2	5565.39	26,533	594	2	0	0	0	2	4	
3	5565.53	26,673	140	2	0	0	0	2	4	
4	5565.83	26,974	301	2	0	0	0	2	4	
5	5566.09	27,236	262	2	0	0	0	2	4	
6	5566.26	27,419	183	2	0	0	0	2	4	
7	5566.45	27,602	183	2	0	0	0	2	4	
8	5566.64	27,796	194	2	0	0	0	2	4	
9	5,566.39	27,541	-255	2	0	0	0	2	4	
10	5,566.31	27,460	-81	2	0	0	0	2	4	
11	5,566.41	27,561	101	2	0	0	0	2	4	
12	5,566.45	27,602	41	2	0	0	0	2	4	
13	5,566.54	27,694	92	2	0	0	0	2	4	
14	5,565.96	27,105	-589	2	0	0	0	2	4	
15	5,566.10	27,247	142	2	0	0	0	2	4	
16	5,566.28	27,429	182	2	0	0	0	2	4	
17	5,566.40	27,551	122	2	0	0	0	2	4	
18	5,566.49	27,643	92	2	0	0	0	2	4	
19	5,566.66	27,817	174	2	0	0	0	2	4	
20	5566.83	27,991	174	2	0	0	0	2	4	
21	5566.92	28,083	92	2	0	0	0	2	4	
22	5567.34	28,518	435	2	0	0	0	2	4	
23	5567.37	28,549	31	2	0	0	0	2	4	
24	5,564.92	26,067	-2,482	2	0	0	0	2	4	
25	5,564.92	26,067	0	2	0	0	0	2	4	
26	5,564.10	25,265	-802	2	0	0	0	2	4	
27	5,563.92	25,091	-174	2	0	0	0	2	4	
28	5,566.53	27,684	2,593	2	0	0	0	2	4	
29	5,566.85	28,012	328	2	0	0	0	2	4	
30	5,566.80	27,960	-52	2	0	0	0	2	4	
31	5,567.15	28,321	361	2	0	0	0	2	4	
Total cfs-days				- - -	62	0	0	62	124	
Total ac-ft				2,105	123	0	0	123	246	
1/ Last Chance Creek Water District										

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/				
Feb 28	5762.87	43,167								
1	5762.87	43,167	0	9	0	0	0	5	14	
2	5762.89	43,222	55	10	0	0	0	5	15	
3	5762.90	43,249	27	10	0	0	0	6	16	
4	5762.90	43,249	0	10	0	0	0	5	15	
5	5762.90	43,249	0	10	0	0	0	5	15	
6	5762.92	43,305	56	10	0	0	0	6	16	
7	5762.93	43,332	27	10	0	0	0	5	15	
8	5762.93	43,332	0	10	0	0	0	5	15	
9	5762.95	43,388	56	10	0	0	0	6	16	
10	5762.99	43,499	111	10	0	1	0	5	16	
11	5763.03	43,610	111	9	0	0	0	5	14	
12	5763.10	43,804	194	10	0	0	0	6	16	
13	5763.17	44,000	196	10	0	0	0	5	15	
14	5763.21	44,111	111	10	0	0	0	6	16	
15	5763.25	44,223	112	10	0	0	0	6	16	
16	5763.29	44,335	112	10	0	0	0	5	15	
17	5763.33	44,448	113	10	0	0	0	6	16	
18	5763.35	44,504	56	10	0	0	0	6	16	
19	5763.49	44,899	395	10	0	0	0	5	15	
20	5763.63	45,295	396	10	0	1	0	6	17	
21	5763.68	45,437	142	9	0	0	0	6	15	
22	5763.84	45,894	457	10	0	0	0	6	16	
23	5763.93	46,152	258	10	0	0	0	5	15	
24	5763.96	46,239	87	10	0	0	0	6	16	
25	5763.99	46,325	86	10	0	0	0	5	15	
26	5764.01	46,382	57	10	0	0	0	6	16	
27	5764.17	46,845	463	10	0	0	0	6	16	
28	5764.28	47,164	319	10	0	0	0	5	15	
29	5764.38	47,456	292	10	0	0	0	6	16	
30	5764.43	47,602	146	10	0	1	0	6	17	
31	5764.47	47,719	117	10	0	0	0	5	15	
Total cfs-days			---	307	0	3	0	171	481	
Total ac-ft			4,552	609	0	6	0	339	954	
1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)										

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow						Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Deliveries to Lime Saddle Marina	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Feb 28	784.66	2,023,476									
	1	785.55	2,032,979	9,503	2,964	0	0	72	0	3,036	0
	2	786.69	2,045,197	12,218	3,522	0	0	58	0	3,580	0
	3	878.72	2,056,282	11,085	2,467	0	0	41	0	2,508	0
	4	788.46	2,064,272	7,990	2,671	0	0	29	0	2,700	0
	5	789.41	2,074,561	10,289	2,822	0	0	59	0	2,881	0
	6	789.92	2,080,099	5,538	5,768	0	0	75	0	5,843	0
	7	790.57	2,087,174	7,075	4,254	0	0	112	0	4,366	0
	8	791.26	2,094,702	7,528	3,638	0	0	71	0	3,709	0
	9	792.17	2,104,662	9,960	2,299	0	0	83	0	2,382	0
	10	793.01	2,113,885	9,223	3,768	0	0	89	0	3,857	0
	11	794.13	2,126,226	12,341	1,544	0	0	250	0	1,794	0
	12	795.09	2,136,845	10,619	2,990	0	0	203	0	3,193	0
	13	796.10	2,148,058	11,213	3,224	0	0	78	0	3,302	0
	14	796.92	2,157,191	9,133	3,784	0	0	192	0	3,976	0
	15	796.95	2,157,526	335	10,001	0	0	216	0	10,217	0
	16	797.13	2,159,534	2,008	9,080	0	0	133	0	9,213	0
	17	797.65	2,165,345	5,811	3,416	0	0	60	0	3,476	0
	18	798.20	2,171,503	6,158	3,136	0	0	109	0	3,245	0
	19	799.04	2,180,931	9,428	2,064	0	0	48	0	2,112	0
	20	800.72	2,199,874	18,943	40	0	0	18	0	58	0
	21	802.41	2,219,047	19,173	621	0	0	12	0	633	0
	22	805.29	2,251,988	32,941	1,469	0	0	31	0	1,500	0
	23	808.18	2,285,387	33,399	5,281	0	0	12	0	5,293	0
	24	810.19	2,308,818	23,431	6,561	0	0	13	0	6,574	0
	25	811.88	2,328,648	19,830	3,521	0	0	76	0	3,597	0
	26	813.31	2,345,519	16,871	2,140	0	0	102	0	2,242	0
	27	814.96	2,365,091	19,572	0	0	0	83	0	83	0
	28	817.24	2,392,321	27,230	2,912	0	0	51	0	2,963	0
	29	819.40	2,418,317	25,996	1,468	0	0	91	0	1,559	0
	30	821.37	2,442,210	23,893	566	0	0	59	0	625	0
	31	822.64	2,457,703	15,493	3,799	0	0	165	0	3,964	0
Total		434,227	101,790	0	0	2,691	0	104,481	0	538,708	

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

March 2005

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Feb 28	23,800										
1	24,000	200	2,964	411	0	2,010	1	2	1,253	0	91
2	24,084	84	3,522	450	0	2,822	1	3	1,255	0	193
3	23,900	-184	2,467	515	0	1,952	1	3	1,253	0	43
4	24,055	155	2,671	487	0	1,784	1	3	1,247	0	32
5	24,255	200	2,822	512	0	1,836	0	3	1,245	0	-50
6	24,051	-204	5,768	512	0	5,154	0	3	1,251	0	-76
7	24,251	200	4,254	473	0	3,212	0	3	1,253	0	-59
8	23,965	-286	3,638	513	0	3,209	1	3	1,255	0	31
9	23,788	-177	2,299	511	0	1,816	0	3	1,255	0	87
10	24,100	312	3,768	510	0	2,463	1	3	1,245	0	-254
11	24,058	-42	1,544	506	0	912	0	3	1,255	0	78
12	23,994	-64	2,990	427	0	2,242	0	3	1,257	0	21
13	24,166	172	3,224	514	0	2,298	0	3	1,255	0	-10
14	24,247	81	3,784	514	0	2,954	0	3	1,255	0	-5
15	23,940	-307	10,001	513	0	9,382	0	3	1,257	0	-179
16	23,729	-211	9,080	405	0	8,256	0	3	1,261	0	-176
17	23,947	218	3,416	80	0	1,992	0	3	1,263	0	-20
18	24,068	121	3,136	81	0	1,930	0	3	1,265	0	102
19	23,912	-156	2,064	513	0	1,550	0	3	1,263	0	83
20	22,952	-960	40	328	0	114	0	3	1,267	0	56
21	22,537	-415	621	263	0	114	0	3	1,261	0	79
22	23,198	661	1,469	422	0	114	0	3	1,257	0	144
23	23,780	582	5,281	514	0	3,980	0	3	1,257	0	27
24	24,031	251	6,561	513	0	5,588	0	3	1,261	0	29
25	23,607	-424	3,521	513	0	3,110	0	3	1,255	0	-90
26	24,688	1,081	2,140	513	0	412	0	3	1,247	0	90
27	23,984	-704	0	512	0	142	0	3	1,257	0	186
28	23,582	-402	2,912	513	0	2,572	0	2	1,253	0	0
29	23,869	287	1,468	514	0	462	1	2	1,247	0	17
30	23,618	-251	566	513	0	0	1	2	1,249	0	-78
31	23,088	-530	3,799	513	0	3,670	1	2	1,237	0	68
Total		-712	101,790	14,078	0	78,052	9	88	38,891	0	460

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 2 AF of entitlement water to Del Oro WD and 7 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Feb 28	130.17	32,719										
1	130.16	32,685	-34	2,010	0	0	0	0	2,261	0	217	3,514
2	130.38	33,426	741	2,822	0	0	0	0	2,261	0	180	3,516
3	130.28	33,088	-338	1,952	0	0	0	0	2,261	0	-29	3,514
4	130.16	32,685	-403	1,784	0	0	0	0	2,241	0	54	3,488
5	130.05	32,318	-367	1,836	0	0	0	0	2,241	0	38	3,486
6	130.91	35,243	2,925	5,154	0	0	0	0	2,241	0	12	3,492
7	131.22	36,326	1,083	3,212	0	0	0	0	2,241	0	112	3,494
8	131.45	37,140	814	3,209	0	0	0	0	2,261	0	-134	3,516
9	131.33	36,714	-426	1,816	0	0	0	0	2,241	0	-1	3,496
10	131.43	37,069	355	2,463	0	0	0	0	2,261	0	153	3,506
11	131.03	35,660	-1,409	912	0	0	0	0	2,241	0	-80	3,496
12	131.03	35,660	0	2,242	0	0	0	0	2,241	0	-1	3,498
13	131.05	35,730	70	2,298	0	0	0	0	2,241	0	13	3,496
14	131.23	36,361	631	2,954	0	0	0	0	2,241	0	-82	3,496
15	133.20	43,605	7,244	9,382	0	0	0	0	2,261	0	123	3,518
16	134.69	49,477	5,872	8,256	0	0	0	0	2,261	0	-123	3,522
17	134.61	49,154	-323	1,992	0	0	0	0	2,261	0	-54	3,524
18	134.53	48,832	-322	1,930	0	0	0	0	2,261	0	9	3,526
19	134.38	48,230	-602	1,550	0	0	0	0	2,261	0	109	3,524
20	133.88	46,247	-1,983	114	0	0	0	0	2,241	0	144	3,508
21	133.32	44,066	-2,181	114	0	0	0	0	2,241	0	-54	3,502
22	132.81	42,123	-1,943	114	0	0	0	0	2,261	0	204	3,518
23	133.26	43,836	1,713	3,980	0	0	0	0	2,241	0	-26	3,498
24	134.06	46,957	3,121	5,588	0	0	0	0	2,261	0	-206	3,522
25	134.32	47,990	1,033	3,110	0	0	0	0	2,261	0	184	3,516
26	133.83	46,050	-1,940	412	0	0	0	0	2,241	0	-111	3,488
27	133.31	44,028	-2,022	142	0	0	0	0	2,241	0	77	3,498
28	133.44	44,529	501	2,572	0	0	0	0	2,261	0	190	3,514
29	132.93	42,576	-1,953	462	0	0	0	0	2,261	0	-154	3,508
30	132.31	40,257	-2,319	0	0	0	0	0	2,241	0	-78	3,490
31	132.68	41,634	1,377	3,670	0	0	0	0	2,241	0	-52	3,478
Total		8,915		78,052	0	0	0	0	69,771	0	634	108,662

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

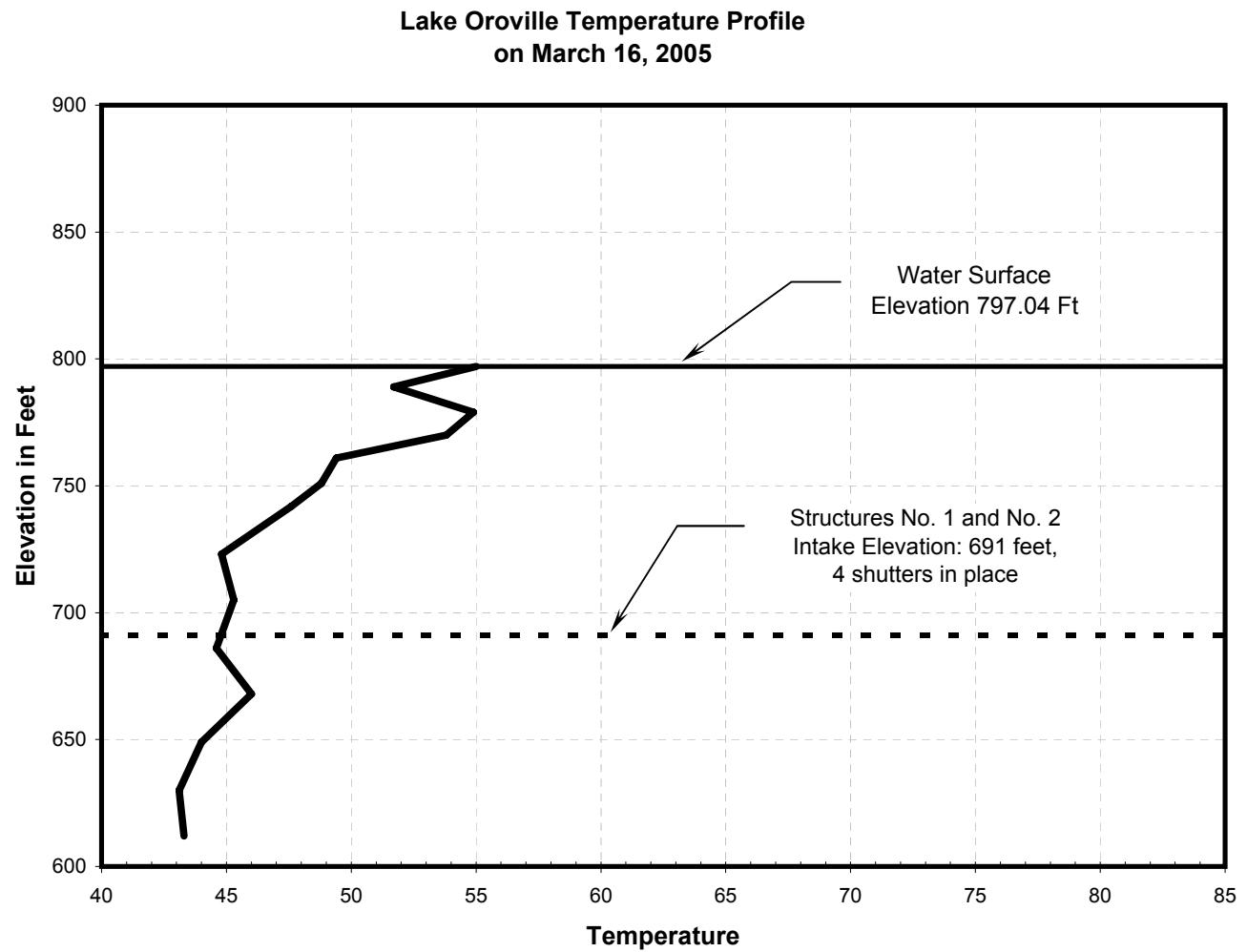
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

March 2005

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	53	45
2	54	45
3	54	45
4	55	45
5	55	46
6	55	45
7	56	45
8	57	45
9	57	46
10	60	46
11	59	46
12	60	46
13	60	47
14	59	47
15	58	46
16	57	46
17	57	46
18	57	46
19	56	46
20	55	46
21	55	47
22	54	47
23	53	47
24	53	47
25	54	48
26	54	49
27	54	49
28	55	49
29	54	49
30	55	50
31	55	49



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries			
	Beginning and Ending				Table A Amount		Article 21	
	No.	Structure	Mile		M & I	Benicia		
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	971			
		Travis Surge Tank	8.78					
			8.80	Solano County Water Agency Travis Turnout	49			
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	0			
				Solano County Water Agency Fairfield / Vacaville 42"	0			
			17.00	Solano County Water Agency Central Solano	Stub			
2	3A	Cordelia Forebay	21.23					
		Cordelia Pumping Plant & Cordelia Spillway	21.30		871			
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	19			
3B	2			Solano County Water Agency Benicia	242			
		Cordelia Surge Tank	23.33					
		Creston Surge Tank Connection	25.65					
			26.95	Napa County Flood Control & WCD American Canyon 2	0			
			27.27	Napa County Flood Control & WCD American Canyon 3	0			
		Napa Terminal Tank	27.58	City of Napa	521			
			27.60	Napa County Flood Control & WCD American Canyon 1	89			

1/ Napa Co. FC&WCD entitlement through Solano Co.'s turnout for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

March 2005

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	44	45	7,634	7,634	63	0	0	198
2	55	44	7,794	7,794	63	0	0	190
3	54	47	7,885	7,885	49	0	0	192
4	51	44	9,380	9,380	31	0	0	193
5	44	45	9,367	9,367	63	0	0	189
6	46	45	9,368	9,368	63	0	0	194
7	49	47	9,621	9,621	64	0	0	186
8	55	49	9,522	9,522	101	0	0	198
9	55	45	5,836	5,836	155	0	0	218
10	56	49	2,081	2,081	175	0	0	222
11	57	49	1,834	1,834	183	0	0	227
12	53	53	1,836	1,836	156	0	0	207
13	49	52	5,011	5,011	146	0	0	204
14	59	53	2,181	2,181	177	0	0	188
15	56	51	2,140	2,140	217	0	0	167
16	71	56	3,778	3,778	197	0	0	166
17	64	54	9,873	9,873	177	0	0	159
18	9	20	10,877	10,877	166	0	0	176
19	0	7	10,753	10,753	99	0	0	172
20	0	0	10,629	10,629	63	0	0	148
21	0	0	10,086	10,086	63	0	0	150
22	0	0	9,168	9,168	64	0	0	135
23	0	0	8,849	8,849	25	0	0	116
24	0	0	8,697	8,697	60	0	0	113
25	0	0	7,084	7,084	63	0	0	87
26	0	0	6,896	6,896	63	0	0	90
27	0	0	6,893	6,893	63	0	0	96
28	15	0	6,847	6,847	56	0	0	98
29	13	2	6,893	6,893	101	0	0	109
30	8	5	6,890	6,890	127	0	0	100
31	8	9	6,754	6,754	41	0	0	104
Total	971	871	222,457	222,457	3,134	0	0	4,991

Table 10. Clifton Court Forebay

Daily Operation of Gates

March 2005

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	7:00	10:00	14:50	19:50	20:45			7,914
2	0:01	7:30	10:45	14:40					7,923
3	0:01	8:30	11:30	13:00					7,928
4	0:01	9:45							8,906
5	0:01	9:50							8,915
6	0:01	11:30							8,916
7	0:52	12:25							8,911
8	1:30	10:00							8,920
9	2:15	8:45							6,105
10	3:00	6:00							1,973
11	3:30	6:38							1,877
12	0:01	1:15	4:15	5:45					1,879
13	0:30	6:00							5,205
14	0:01	2:40							1,880
15	0:01	2:50							1,882
16	0:01	4:30							4,703
17	0:01	9:15	11:30	13:43					9,904
18	0:01	10:45							10,898
19	0:01	10:45							10,903
20	0:01	12:10							10,909
21	0:30	9:22	11:15	14:10					10,903
22	1:15	13:40							8,910
23	1:45	13:50							8,914
24	2:16	9:30							8,912
25	2:45	9:20							6,933
26	1:07	7:15							6,939
27	1:00	4:15	7:45	13:15					6,936
28	0:01	5:15	8:00	10:00					6,933
29	0:01	5:45	8:45	10:30					6,936
30	0:01	6:30							6,632
31	0:01	7:15							6,938
Total inflow for the month in AF:									222,337

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	USBR	Local	Loan Water	Dry Year Purchase	
	No.	Structure	Mile							
1		Banks Pumping Plant	3.32	222,457						
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	3,134	47	47	47	47	
		Check No. 1	5.95							
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0					
		Check No. 2	12.01							
	3		12.47	Musco Olive	47					
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
2B	8		42.46	Oak Flat Water District-A	1	14	14	14	14	
			42.9	Western Hills WD	14					
			43.81	Oak Flat Water District-B	0					
			44.64	Oak Flat Water District-C	0					
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D	30	30	30	30	30	
				Oak Flat Totals:	31					
		Check No. 9	51.3							
	10	Check No. 10	56.86							
	11	Check No. 11	61.4							
	12		66.14	Veteran's Cemetery	1	1	1	1	1	
		Check No. 12	66.71		215,964					

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Article 21	Purchase Pool B	Local	Recreation	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	3,134	2					
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	2						
		Check No. 1	3.91								
	2	Check No. 2	5.21			842					
			7.21	Zone 7 WA Altamont	0						
		Check No. 3	9.49	Zone 7 WA Patterson Inflow Exchange Project Water	0						
2	4	Check No. 4	10.68			239					
		Check No. 5	12.29								
	6		13.55	Zone 7 WA Wente #1	0						
			14.16	Zone 7 WA Wente #2	0						
			14.31	Zone 7 WA Ising	0						
		Check No. 6	14.65								
	7		14.78	Zone 7 WA Arroyo Mocho Project Water	239						
		Check No. 7	16.38								
	8		16.57	Zone 7 WA Wente #3	0	10					
			16.69	Zone 7 WA Norman Nursery	0						
			16.70	Zone 7 WA Concannon Project Water	0						
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0						
				(Flow into South Bay Aqueduct)	4,991						
		Deliveries through Del Valle Branch Pipeline		Zone 7 WA Arroyo Valle #1 & #2 Project Water	0						
				Storage Released Inflow Released	74						
				Lake Del Valle Recreation	7						
				Zone 7 WA Wente #5	10						
5	6		19.20	Zone 7 WA So. Livermore Project Inflow Released Stored Exchanged	932	932					
			19.21	Zone 7 WA Kalthrof Detjens	0						
7	La Costa Tunnel		22.50	ACWD Vallecitos Project Water	0	1,195					
			25.97	City of San Francisco San Antonio	0						
8	Mission Tunnel		28.97	ACWD - Bayside 1 & 2 Project Water Storage Released Storage Exchange	146	1,195					
				S.C.V.W.D. Meter	2,898						
9	Santa Clara Pipeline	35.86			588	588	2,310				

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

March 2005

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Feb 28	701.39	38,786									
1	701.60	38,932	146	389	0	138	104	0	1	243	0.11
2	701.77	39,050	118	361	0	138	104	0	1	243	0.10
3	701.89	39,134	84	328	0	138	104	0	2	244	0.00
4	702.62	39,646	512	757	0	138	104	0	3	245	0.73
5	703.40	40,198	552	796	0	138	104	0	2	244	0.39
6	703.75	40,447	249	494	0	138	104	0	3	245	0.00
7	703.93	40,576	129	376	0	138	104	0	5	247	0.00
8	703.99	40,618	42	288	0	138	104	0	4	246	0.00
9	703.94	40,583	-35	212	0	138	104	0	5	247	0.00
10	703.85	40,518	-65	182	0	138	104	0	5	247	0.00
11	703.70	40,411	-107	145	0	138	104	0	10	252	0.00
12	703.57	40,319	-92	155	0	138	104	0	5	247	0.00
13	703.43	40,219	-100	145	0	138	104	0	3	245	0.00
14	703.31	40,134	-85	165	0	138	104	0	8	250	0.00
15	703.20	40,056	-78	171	0	137	104	0	8	249	0.00
16	703.07	39,964	-92	158	0	137	104	0	9	250	0.00
17	702.96	39,886	-78	170	0	137	104	0	7	248	0.00
18	702.83	39,794	-92	152	0	137	104	0	3	244	0.09
19	702.72	39,717	-77	164	0	137	104	0	0	241	0.17
20	702.70	39,702	-15	230	0	137	104	0	4	245	0.12
21	702.65	39,667	-35	208	0	137	104	0	2	243	0.50
22	702.91	39,851	184	425	0	137	103	0	1	241	0.21
23	704.52	40,999	1,148	1,388	0	137	103	0	0	240	1.20
24	704.67	41,107	108	350	0	137	103	0	2	242	0.11
25	704.24	40,797	-310	-66	0	137	103	1	3	244	0.00
26	703.66	40,383	-414	-168	0	137	103	1	5	246	0.00
27	703.07	39,964	-419	-174	0	137	103	1	4	245	0.00
28	702.64	39,660	-304	-58	0	137	103	1	5	246	0.55
29	702.56	39,604	-56	188	0	137	103	1	3	244	0.04
30	702.72	39,717	113	356	0	137	103	1	2	243	0.06
31	702.80	39,773	56	305	0	137	103	1	8	249	0.00
Total				987	8,592	0	4,261	3,214	7	123	7,605
											4.38

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

March 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generated)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/	
Feb 28	222.05	48,517										
1	221.77	47,782	-735	0	3,186	690	3,704	0	3,228	4,794	10	81
2	220.91	45,525	-2,257	0	2,838	0	4,255	0	3,508	4,929	14	220
3	220.72	45,027	-498	0	2,972	0	3,660	0	3,484	3,805	2	408
4	220.48	44,400	-627	0	3,105	0	4,481	0	3,474	4,625	2	199
5	220.69	44,949	549	0	3,308	0	4,656	0	3,460	4,521	2	296
6	221.33	46,626	1,677	0	3,364	0	4,793	0	3,460	3,941	2	91
7	222.12	48,703	2,077	0	3,415	0	4,772	0	3,467	3,893	2	222
8	222.31	49,208	505	0	3,396	0	4,742	0	3,470	4,677	2	266
9	221.45	46,941	-2,267	0	3,409	0	2,846	0	3,452	4,229	3	286
10	219.22	41,145	-5,796	0	3,397	0	983	0	3,419	4,033	6	156
11	218.67	39,750	-1,395	0	3,402	0	905	0	0	4,904	6	-100
12	218.70	39,825	75	0	3,390	0	1,118	0	0	4,304	6	-160
13	219.27	41,272	1,447	0	3,358	0	2,240	0	0	4,818	6	-44
14	219.33	41,426	154	0	3,335	0	1,001	0	0	4,272	6	20
15	218.75	39,951	-1,475	0	3,356	0	892	0	0	4,882	6	-104
16	218.18	38,520	-1,431	0	1,908	0	1,576	0	0	4,344	10	149
17	218.53	39,398	878	0	826	0	4,431	0	0	4,884	3	73
18	219.00	40,584	1,186	0	919	0	4,891	0	0	5,404	3	195
19	219.63	42,196	1,612	0	943	0	5,214	0	0	5,263	3	-78
20	221.47	46,994	4,798	0	2,124	0	5,451	0	0	5,105	3	-48
21	223.19	51,554	4,560	0	2,437	0	5,046	0	0	5,200	3	19
22	223.96	53,619	2,065	0	2,605	0	4,491	0	0	5,951	3	-101
23	224.08	53,942	323	0	2,426	0	4,406	0	870	5,877	6	84
24	223.94	53,565	-377	0	1,996	0	4,236	0	580	6,031	24	213
25	223.39	52,089	-1,476	0	1,643	0	3,564	0	0	5,756	24	-171
26	222.80	50,513	-1,576	0	1,339	0	3,387	0	0	5,548	24	51
27	222.57	49,900	-613	0	1,361	0	3,496	0	0	5,085	24	-57
28	222.90	50,779	879	0	1,360	0	3,444	0	4	4,310	24	-23
29	222.86	50,673	-106	0	1,061	0	3,573	0	0	4,733	24	70
30	221.33	46,626	-4,047	0	827	0	3,291	0	0	6,079	24	-55
31	220.32	43,983	-2,643	0	827	0	3,335	0	0	5,410	28	-56
Total			-4,534	0	73,833	690	108,880	0	35,876	151,607	305	2,099
Mean cfs			---	0	2,382	22	3,512	0	1,157	4,891	10	68
Acre-feet			-4,534	0	146,447	1,369	215,964	0	71,161	300,709	605	4,161

1/ Pump-in located at Mile 79.67R.

2/ Includes 1 AF to Cattle.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

March 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Feb 28	538.29	1,968,294							
1	538.62	1,972,446	4,152	3,228	690	7	0	-438	
2	539.10	1,978,490	6,044	3,508	0	5	0	-456	
3	539.61	1,984,919	6,429	3,484	0	6	0	-237	
4	540.11	1,991,229	6,310	3,474	0	4	0	-289	
5	540.60	1,997,419	6,190	3,460	0	6	0	-333	
6	541.08	2,003,489	6,070	3,460	0	10	0	-390	
7	541.56	2,009,566	6,077	3,467	0	17	0	-386	
8	542.08	2,016,157	6,591	3,470	0	20	0	-127	
9	542.56	2,022,247	6,090	3,452	0	12	0	-370	
10	543.02	2,028,090	5,843	3,419	0	21	0	-452	
11	543.04	2,028,344	254	0	0	25	0	153	
12	543.04	2,028,344	0	0	0	23	0	23	
13	543.04	2,028,344	0	0	0	21	0	21	
14	543.04	2,028,344	0	0	0	23	0	23	
15	543.02	2,028,090	-254	0	0	25	0	-103	
16	542.99	2,027,708	-382	0	0	23	0	-170	
17	542.98	2,027,581	-127	0	0	10	0	-54	
18	542.97	2,027,454	-127	0	0	7	0	-57	
19	542.97	2,027,454	0	0	0	8	0	8	
20	542.97	2,027,454	0	0	0	6	0	6	
21	542.98	2,027,581	127	0	0	7	0	71	
22	543.14	2,029,615	2,034	0	0	5	0	1,030	
23	543.24	2,030,886	1,271	870	0	62	0	-167	
24	543.27	2,031,267	381	580	0	127	0	-261	
25	543.28	2,031,395	128	0	0	135	0	200	
26	543.26	2,031,140	-255	0	0	144	0	15	
27	543.22	2,030,632	-508	0	0	136	0	-120	
28	543.21	2,030,505	-127	4	0	130	0	62	
29	543.18	2,030,123	-382	0	0	124	0	-69	
30	543.15	2,029,742	-381	0	0	84	0	-108	
31	543.14	2,029,615	-127	0	0	31	1	-32	
Total			61,321	35,876	690	1,264	1	-3,007	
Mean cfs			---	1,157	22	41	0	-97	
Acre-feet			61,321	71,161	1,369	2,497	1	-5,973	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 2179 AF, San Benito: 318 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

March 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant			San Felipe Project	
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	9,509	8,445	1,369	1,369	6,402	-277	13
2	9,776	8,708	0	0	6,959	54	9
3	7,547	6,506	0	0	6,911	36	12
4	9,173	8,113	0	0	6,891	24	8
5	8,968	7,913	0	0	6,863	15	12
6	7,817	6,767	0	0	6,863	6,863	19
7	7,721	6,679	0	0	6,876	3,582	33
8	9,276	8,205	0	0	6,883	11	39
9	8,389	8,389	0	0	6,848	-10	24
10	7,999	7,999	0	0	6,782	-42	41
11	9,727	9,727	0	0	0	0	50
12	8,536	8,536	0	0	0	0	46
13	9,556	9,556	0	0	0	0	42
14	8,474	8,474	0	0	0	0	46
15	9,683	8,321	0	0	0	0	50
16	8,616	7,248	0	0	0	0	45
17	9,688	8,284	0	0	0	0	19
18	10,718	8,794	0	0	0	0	14
19	10,440	8,491	0	0	0	0	15
20	10,126	8,204	0	0	0	0	11
21	10,315	8,272	0	0	0	0	13
22	11,803	9,785	0	0	0	0	9
23	11,657	9,600	0	0	1,726	576	123
24	11,962	9,911	0	0	1,150	52	252
25	11,417	8,825	0	0	0	0	268
26	11,005	8,440	0	0	0	0	285
27	10,087	7,560	0	0	0	0	269
28	8,549	5,976	0	0	7	7	257
29	9,387	6,841	0	0	0	0	246
30	12,057	8,385	0	0	0	0	166
31	10,731	7,097	0	0	0	0	61
Total	300,709	254,051	1,369	1,369	71,161	10,891	2,497

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

March 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Feb 28	326.81	20,114					
1	326.58	20,007	-107	46	0	100	0
2	326.55	19,993	-14	43	0	50	0
3	326.71	20,067	74	37	0	0	1
4	327.26	20,323	256	129	0	0	0
5	327.79	20,571	248	158	0	33	0
6	327.26	20,323	-248	75	0	200	0
7	326.82	20,118	-205	55	0	158	-1
8	326.60	20,016	-102	48	0	100	1
9	326.63	20,030	14	40	0	33	0
10	326.78	20,100	70	35	0	0	1
11	326.90	20,155	55	28	0	0	-1
12	327.00	20,202	47	24	0	0	-1
13	327.08	20,239	37	19	0	0	-1
14	327.16	20,276	37	19	0	0	-1
15	327.23	20,309	33	17	0	0	-1
16	327.29	20,337	28	14	0	0	0
17	327.35	20,365	28	14	0	0	0
18	327.40	20,388	23	12	0	0	-1
19	327.45	20,412	24	12	0	0	0
20	327.53	20,449	37	19	0	0	-1
21	327.60	20,482	33	17	0	0	-1
22	328.52	20,915	433	218	0	0	1
23	330.63	21,928	1,013	594	0	83	-1
24	330.52	21,874	-54	172	0	200	2
25	330.08	21,661	-213	92	0	200	1
26	329.52	21,392	-269	64	0	200	1
27	328.92	21,105	-287	55	0	200	1
28	328.61	20,958	-147	42	0	116	0
29	328.78	21,038	80	40	0	0	1
30	329.00	21,143	105	53	0	0	0
31	329.15	21,215	72	36	0	0	1
Total		1,101	2,227	0	1,673	1	
Mean cfs		---	72	0	54	---	
Acre-feet		1,101	4,417	0	3,318	1	

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

March 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Feb 28	602.60	826					
1	602.60	826	0	2	0	2	0
2	602.60	826	0	2	0	2	0
3	602.60	826	0	2	0	2	0
4	602.80	838	12	13	0	7	0
5	Not Observed		0	7	0	7	0
6	Not Observed		0	2	0	2	0
7	602.70	832	-6	1	0	4	0
8	602.65	829	-3	1	0	3	1
9	602.65	829	0	3	0	3	0
10	Not Observed		0	3	0	3	0
11	602.60	826	-3	0	0	2	1
12	602.60	826	0	2	0	2	0
13	602.60	826	0	2	0	2	0
14	602.60	826	0	2	0	2	0
15	Not Observed		0	2	0	2	0
16	Not Observed		0	2	0	2	0
17	602.60	826	0	2	0	2	0
18	602.60	826	0	2	0	2	0
19	602.60	826	0	2	0	2	0
20	602.60	826	0	2	0	2	0
21	Not Observed		0	2	0	2	0
22	Not Observed		0	2	0	2	0
23	602.60	826	0	2	0	2	0
24	602.80	838	12	12	0	6	0
25	602.70	832	-6	0	0	3	0
26	Not Observed		0	2	0	2	0
27	Not Observed		0	2	0	2	0
28	602.60	826	-6	0	0	2	-2
29	602.60	826	0	2	0	2	0
30	Not Observed		0	2	0	2	0
31	602.60	826	0	2	0	2	0
Total			0	82	0	82	0
Mean cfs			---	3	0	3	---
Acre-feet			0	163	0	163	0

1/ Not available on a daily basis

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		215,964						
3A		San Luis Reservoir		Department of Parks and Recreation	1	2,179	0	0	1		
				San Felipe Division Santa Clara Water District	2,179						
				San Felipe Division San Benito Water District	318						
				Reach 3A Total:	2,498						
				Department of Parks and Recreation	0						
3	13	O'Neill Forebay	70.85	Cattle Program	1	604	0	1			
				Department of Fish & Game	0						
				70.91 Thru 85.08	San Luis Water District (Floodwater Inflow)						
		Dos Amigos Pumping Plant	86.73	Reach 3 Total:	605	604	0	1	0		
					300,709						
4	14			89.03 Thru 94.06	San Luis Water District	4,388	4,388	0			
				89.66 Thru 89.67	Pacheco Water District	138		138			
				89.68	Panoche Water District	31		31			
				89.70	City of Dos Palos	75		75			
				95.06							
	15			98.15 Thru 104.20	San Luis Water District	425	425	0			
				96.15 Thru 102.64	Panoche Water District (Floodwater Inflow)	2,039 0		2,039			
				102.64	Broadview Water District	1		1			
				105.22 Thru 108.64	Westlands Water District	6,942					
				Check No.15	108.50						
			Reach 4 Total:	14,039	14,039	0	0	0			
			San Felipe Division Total:	2,497	2,497	0	0	0			
			Pacheco Water District Total:	138	138	0	0	0			
			Broadview Water District Total:	1	1	0	0	0			
			City of Dos Palos Total:	75	75	0	0	0			
			SLWD Reach 4 Subtotal:	4,813	4,813	0	0	0			
			Panoche Water District Total:	2,070	2,070	0	0	0			
			SLWD Total:	5,417	5,417	0	0	0			
			Westlands WD Reach 4 Subtotal:	6,942	6,942	0	0	0			

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			USBR	Transfer 1/	DWR Recreation	USBR Recreation				
	No.	Structure											
5	16		110.52	(Reverse flow, Kings River)	0	9,110	10						
			Thru	Westlands Water District	9,110								
			122.05	Department of Fish and Game	10								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	7,596	7,596							
			Thru										
		Check No. 17	132.95										
	18		133.81	Westlands Water District	8,513	8,513							
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	7,144								
			143.16	City of Coalinga	361								
		Check No. 18	143.23										
				Reach 5 Total:	32,734	32,724	0	10	0				
6	19		145.26	Kings County through Lemoore Naval Air Station	36	10,100	36						
			Thru	Westlands Water District	10,100								
			151.19	Kings County to Lemoore Naval Air Station	114								
		Check No. 19	155.64										
				Reach 6 Total:	10,250	10,100	150	0	0				
7	20		156.34	City of Huron	65	5,891	65						
			156.40	SWP Construction @ Lat. 26R	1								
			Thru	Westlands Water District	5,891								
		Check No. 20	163.69										
	21		164.79	City of Avenal	187	2,958	187						
			167.04	Westlands Water District	2,958								
			171.67										
		Check No. 21	172.40		238,377								
				Reach 7 Total:	9,102	9,101	1	0	0				
				SWP Construction	1	0	1	0	0				
				Westlands WD Total:	58,254	58,254	0	0	0				
				City of Coalinga Total:	361	361	0	0	0				
				City of Huron Total:	65	65	0	0	0				
				Kings County through Lemoore Naval Air Station	36	0	36	0	0				
				Kings County to Lemoore Naval Air Station	114	0	114	0	0				
				City of Avenal Total:	187	187	0	0	0				
Total San Luis Field Division Deliveries:					69,228	69,065	151	11	1				

1/ Long-term POD from County of Kings to Lemoore Naval Air Base.

Table 20. Consolidated State-Federal San Luis Canal 1/Daily Operations
March 2005

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 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	Pools 14 & 15 2/	Pool 15	Pools 15 thru 21 3/	Flow Past Check 21	
Feb 28	27,987								
1	28,581	594	3	4,794	54	35	665	3,754	11
2	29,089	508	4	4,929	57	36	668	3,883	-33
3	27,840	-1,249	0	3,805	45	35	568	3,749	-37
4	28,405	565	0	4,625	45	35	568	3,805	113
5	28,754	349	0	4,521	45	35	568	3,811	114
6	28,152	-602	0	3,941	45	35	568	3,883	287
7	27,768	-384	0	3,893	45	35	568	3,570	132
8	28,196	428	5	4,677	45	35	568	3,798	-20
9	28,090	-106	3	4,229	48	38	574	3,520	-105
10	27,714	-376	0	4,033	67	33	830	3,513	220
11	28,667	953	0	4,904	67	33	830	3,564	71
12	28,488	-179	0	4,304	67	33	830	3,505	41
13	28,076	-412	0	4,818	67	33	830	4,278	183
14	28,082	6	0	4,272	67	33	830	3,319	-20
15	28,034	-48	0	4,882	67	33	830	3,876	-100
16	27,361	-673	0	4,344	71	35	836	3,562	-179
17	27,008	-353	0	4,884	53	36	1,140	3,782	-51
18	27,407	399	0	5,404	53	36	1,140	4,002	28
19	28,354	947	0	5,263	53	36	1,140	3,618	62
20	28,244	-110	0	5,105	53	36	1,140	4,001	70
21	28,201	-43	0	5,200	53	36	1,140	3,914	-79
22	28,954	753	0	5,951	53	36	1,140	4,571	228
23	28,858	-96	0	5,877	57	37	1,143	4,769	81
24	29,497	639	0	6,031	157	29	1,330	4,338	145
25	28,642	-855	0	5,756	157	29	1,330	4,618	-53
26	29,570	928	0	5,548	157	29	1,330	3,473	-91
27	30,114	544	0	5,085	157	29	1,330	3,640	345
28	28,039	-2,075	0	4,310	157	29	1,330	4,230	390
29	27,737	-302	0	4,733	157	29	1,330	3,419	49
30	28,634	897	0	6,079	157	29	1,330	4,251	140
31	28,041	-593	0	5,410	158	36	1,336	4,163	-16
Total		54	15	151,607	2,534	1,044	29,760	120,180	1,923
Mean cfs		---	0	4,891	82	34	960	3,877	62
Acre-feet		54	30	300,709	5,026	2,070	59,029	238,377	3,817

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 137 AF AG & 1 AF M&I to Pacheco W.D. and 75 AF to the City of Dos Palos.

3/ Includes 65 AF to the City of Huron, 187 AF to the City of Avenal, 361 AF to the City of Coalinga, 114 Af to Lemoore N.A.S. @ 30L, 36 AF to Kings County through Lemoore N.A.S. @30L, 1 AF to Broadview WD, 1 AF to SWP construction @ 26R, 0 to F&G @ 4L, 10 AF to DFG for Pilobos Wildlife @4L, and 0 AF for Mendota Water Fowl Habitat Area @ 6L.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

March 2005

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	91	91	51	47	53	2,976	2,888	2,762	2,740
2	97	97	34	31	37	3,580	3,286	3,175	3,084
3	96	96	49	46	51	3,149	3,274	3,158	3,084
4	128	128	48	43	49	3,334	3,244	3,123	3,084
5	68	68	54	50	56	3,387	3,249	3,144	3,084
6	132	132	58	54	60	3,771	3,720	3,593	3,572
7	137	137	40	37	43	2,584	2,673	2,548	2,534
8	171	171	44	40	45	3,055	2,834	2,726	2,604
9	156	156	48	45	51	2,507	2,390	2,248	2,253
10	147	147	46	42	48	2,500	2,396	2,278	2,180
11	142	142	46	42	48	2,563	2,334	2,195	2,205
12	147	147	50	47	52	2,660	2,434	2,317	2,314
13	102	102	55	49	55	3,841	3,661	3,540	3,492
14	48	48	36	33	36	2,555	2,416	2,290	2,236
15	115	115	56	52	59	2,751	2,610	2,464	2,341
16	115	115	54	51	57	2,356	2,285	2,143	2,061
17	132	132	57	53	60	2,833	2,478	2,266	2,230
18	142	142	62	57	62	2,486	2,309	2,137	2,130
19	131	131	60	55	62	2,034	1,970	1,840	1,841
20	72	72	61	57	66	2,937	2,709	2,592	2,577
21	67	67	37	35	40	2,982	3,052	2,848	2,765
22	120	120	51	46	52	3,195	2,965	2,820	2,772
23	117	117	48	44	49	3,837	3,499	3,315	3,276
24	166	166	47	43	48	3,841	3,701	3,480	3,407
25	136	136	45	42	47	3,794	4,073	3,596	3,541
26	174	174	50	46	51	2,303	2,271	2,129	2,120
27	65	65	54	50	56	2,951	2,736	2,598	2,615
28	84	84	52	48	55	3,230	3,142	3,021	2,975
29	180	180	53	49	56	2,269	2,260	2,051	2,112
30	195	195	50	45	51	3,099	2,906	2,724	2,706
31	170	170	50	48	53	2,215	2,125	1,914	1,882
Total	3,843	3,843	1,546	1,427	1,608	91,575	87,890	83,035	81,817

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			Table A Amount	USBR	Article 21	Unscheduled	Exchange 1/			
	No.	Structure											
7	21	Check No. 21	172.40		238,377								
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	568	3	22	319 227 96 622 1,623 5,498 2	568	177			
				County of Kings TL - A	0								
				TLBWSD TL-A	496								
				175.18 DRWD - 1	227								
				177.54 DRWD - 1B	99								
				180.64 TLBWSD - C	0								
				180.65 DRWD - 1A	644								
				182.99 DRWD - 2	1,688								
				183.00 Tulare Lake Basin WSD TL - B	5,498								
				184.00 DRWD - Paramount	2								
31A				184.63 Coastal Branch	3,843								
8D				184.78 Dudley Ridge Water Dist. DRWD - 3	251	10	241	241	0	177			
				Dudley Ridge Reach 8D Total:	2,911								
				Tulare Lake Basin WSD Total:	5,994								
		Check No. 22	184.82										
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	1,532		1,532 93 8	0	0	0			
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	93								
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	8								
				196.40 Kern County Water Agency Berrenda Mesa - 2	0								
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	0								
				K.C.W.A. Reach 9 Subtotal:	1,633								
				Check No. 23	197.05								
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	93	4	89 356 5,293 14,652	0	0	0			
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	356								
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0								
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	2								
			Check No. 24	207.94									
			209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	523		523	620	0	0			
				Kern National Wildlife Refuge USBR BV-1B	620								
			209.78	Kern County Water Agency Buena Vista WSD 1B	0								
				KCWA Semitropic WSD	5,293								
			209.80	KCWA Semitropic WSD Penstocks	14,652								
				USBR Total:	620								
				K.C.W.A. Reach 10A Subtotal:	20,919								

1/ Westlands Water District CVP water to Tulare Lake Basin WSD.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A Amount	USBR	Article 21	Unscheduled	Exchange		
	No.	Structure										
11B	25		210.75	Kern County Water Agency Belridge - 2	0	397	3,926	534				
			214.11	Kern County Water Agency Belridge - 3	931							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	3,926							
				Kern County Water Agency Belridge - 5D	98	98		534				
		Check No. 25	217.79									
				K.C.W.A. Reach 11B Subtotal:	4,955	4,421	0	534	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	196						
				Kern County Water Agency West Kern - 3	196							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	55,013						
		Check No. 27	231.73									
	28		235.75	Kern County Water Agency Buena Vista - 2	0							
				Kern County WA CVC	55,013							
				DRWD CVC	0							
				Tulare Co.	0							
			238.04	Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda DWR Wells	0							
	Check No. 28	238.11										
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	55,013	0	0	55,013	0	0		
13B	29		238.19	Kern Water Bank Inflow	36,876	0	33,499		2/ 3,377			
				Kern Water Bank Outflow	0							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	7,199							
				KCWA Buena Vista WSD - 5	1,443							
			243.09	Kern County Water Agency Buena Vista - 3	552							
		Check No. 29	244.54	Buena Vista WSD	0							
			249.85	Kern County Water Agency Buena Vista - 4	300							
	30	Buena Vista Pumping Plant	250.99		91,575							
				K.C.W.A. Reach 13B Subtotal:	46,370	0	0	42,993	0	3,377		
14A	31		254.47	Kern County Water Agency West Kern - 2	0	51						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	51							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Dudley Ridge WD Article 21 water to Kern Water Bank.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	USBR	Article 21	Unscheduled			
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			445	1,520	2,016	0	0		
	32		258.61		Kern County Water Agency							
			Wheeler Ridge-Maricopa - 3		445							
			260.44		Kern County Water Agency							
		Check No. 32	261.72		Wheeler Ridge-Maricopa - 4							
14B	33		264.42		Kern County Water Agency	1,659	196	1,741	0	0		
			266.91		Kern County Water Agency							
			Wheeler Ridge-Maricopa - 5		1,659							
	34	Check No. 33	267.36		Kern County Water Agency	196	1,741	3,596	0	0		
		270.24	Wheeler Ridge-Maricopa - 6									
		Check No. 34	271.27		Kern County Water Agency							
		Wheeler Ridge-Maricopa - 7										
14C	35		272.39		Kern County Water Agency	793	411	16	0	0		
			276.09		Kern County Water Agency							
			Wheeler Ridge-Maricopa - 8		793							
			277.30		Kern County Water Agency							
			Arvin-Edison WSD AE		16							
15A	36				Reach 14C Total:	1,220	1,220	0	0	0		
			Teerink Pumping Plant		278.13							
			279.02		285	1,432	1,717	0	0			
			Kern County Water Agency									
16A										Wheeler Ridge-Maricopa - 9A		
37				280.06								
				Kern County Water Agency								
				Wheeler Ridge-Maricopa - 10								
38				Reach 15-A Total:								
		Chrismen Pumping Plant		280.36								
		282.06		87	12	24	0	0				
		Check No. 37							283.95			
17E	39				285.01	12	24	87	0	0		
					Kern County Water Agency							
					Wheeler Ridge-Maricopa - 12							
					286.39							
					Kern County Water Agency							
	40				Wheeler Ridge-Maricopa - 13A							
					287.06							
					Kern County Water Agency							
					Wheeler Ridge-Maricopa - 13							
			Check No. 38		287.09							
17E	40				287.62	87	12	24	0	0		
					Kern County Water Agency							
					Wheeler Ridge-Maricopa - 13B							
					290.21							
					Kern County Water Agency							
17E	Edmonston Pumping Plant				291.26	237	153	513	0	0		
					Kern County Water Agency							
					Wheeler Ridge-Maricopa - 14							
					293.07							
					Kern County Water Agency							
					Tehachapi Cummings CWD							
					K.C.W.A. Reach 16A Subtotal:							
					513							
					81,817							

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Table A Amount	Recovery of Pump In	Article 21	Unscheduled	Exchange		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		3,843	533	1,748	5	0			
		Las Perillas Pumping Plant	1.16		3,843							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		3,843							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	533							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	5							
			14.83	Kern County Water Agency Berrenda Mesa - 1	1,748							
				Kern County Water Agency Berrenda Mesa - PO	0							
		Devil's Den Pumping Plant	14.86		1,546							
				K.C.W.A. Reach 31A Subtotal:	1,753	1,753	0	0	0	0		
				K.C.W.A. Total:	139,901	15,961	0	120,563	0	3,377		
33A	C-7	Bluestone Pumping Plant	19.05		1,427	347	1,253	0	0			
	C-8	Polonio Pass Pumping Plant	26.54		1,608							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant								
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,253							
		Tank Site 2	58.63	Central Coast.	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	347							
		Energy Dissipater	78.12									
35	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0	1,600	0	0	0			
				CCWA Total:	1,600							
		Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
38		So. Cal. Water T.O.	109.20	SBCFC & WCD	0							
				SBCFC & WCD Total:	0							
		Tank Site 5	115.42									

Table 24. Southern Field Division Plant Data

(in acre-feet)

March 2005

Date	West Branch					East Branch								East Branch Extension		
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume				
1	0	0	0	491	0	2,542	0	216	2,620	2,788	0	0	2,727	19	19	0
2	0	0	0	660	0	2,836	0	251	2,945	2,920	0	0	2,798	0	0	0
3	0	0	0	464	0	2,866	0	249	2,969	2,935	0	0	2,669	0	0	0
4	0	0	0	356	0	2,888	0	211	2,971	2,995	0	0	2,781	0	0	0
5	0	0	0	718	0	2,907	0	198	2,969	3,006	0	0	2,508	0	0	0
6	0	0	0	621	0	3,306	0	264	3,547	3,694	0	0	2,622	0	0	0
7	0	0	0	359	0	2,352	0	165	2,588	2,689	0	0	2,342	0	0	0
8	0	0	0	505	0	2,468	0	165	2,189	2,206	0	0	2,063	0	0	0
9	0	0	0	795	0	1,987	0	187	2,175	2,216	0	0	2,069	0	0	2
10	0	0	0	142	0	1,970	0	213	2,058	2,090	0	0	1,933	0	0	0
11	0	0	0	0	0	2,000	0	182	1,863	1,945	0	0	1,932	0	0	0
12	0	0	0	0	0	2,106	0	165	2,340	2,362	0	0	1,999	0	0	0
13	0	0	0	0	0	3,121	0	331	3,266	3,319	0	0	2,056	0	0	0
14	0	0	0	0	0	2,062	0	194	2,356	2,364	0	0	2,239	0	0	0
15	0	0	0	0	0	2,122	0	198	1,892	1,844	0	0	2,300	0	0	0
16	0	0	0	0	0	1,851	0	198	1,963	1,984	0	0	2,267	0	0	0
17	0	0	24	0	0	2,030	0	169	2,247	2,140	0	0	2,326	0	0	0
18	0	0	50	0	0	1,993	0	103	1,764	1,767	0	0	2,522	25	22	0
19	0	0	45	0	0	1,641	0	67	1,921	1,986	0	0	2,500	0	0	0
20	0	0	111	0	0	2,506	0	233	2,442	2,319	0	0	2,300	0	0	0
21	0	0	112	0	0	2,502	0	355	2,157	2,116	0	0	2,387	0	0	0
22	0	0	112	0	0	2,438	0	214	2,540	2,619	0	0	2,205	0	0	0
23	0	0	111	0	0	3,044	0	214	3,177	3,116	0	0	2,336	0	0	0
24	0	0	0	0	0	3,175	0	242	3,409	3,750	0	0	2,157	0	0	0
25	111	0	0	0	0	3,071	0	376	2,683	2,128	0	0	2,082	0	0	0
26	111	0	0	0	0	1,961	0	70	2,310	2,325	0	0	2,040	0	0	0
27	120	0	0	0	0	2,415	0	117	2,412	2,859	0	0	1,949	0	0	0
28	56	0	0	0	0	2,687	0	164	2,598	2,496	0	0	2,089	0	0	2
29	69	0	0	0	0	1,841	0	197	1,850	1,928	0	0	2,091	0	0	3
30	0	0	0	0	0	2,370	0	207	2,308	2,414	0	0	1,986	0	0	3
31	0	0	0	0	0	1,757	0	165	1,803	1,888	0	0	2,201	27	27	4
Total	467	0	565	5,111	0	74,815	0	6,280	76,332	77,208	0	0	70,476	71	68	14

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural			
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
Feb 28	2576.06	167,409										
1	2576.20	167,588	179	0	0	940	491	0	324	0	54	
2	2576.35	167,780	192	0	0	952	660	0	264	0	164	
3	2577.00	168,613	833	0	0	981	464	0	102	0	418	
4	2577.50	169,257	644	0	0	963	356	0	50	0	87	
5	2577.55	169,321	64	0	0	949	718	0	57	0	-110	
6	2577.70	169,514	193	0	0	934	621	0	57	0	-63	
7	2578.16	170,108	594	0	0	905	359	0	50	0	98	
8	2578.17	170,121	13	0	0	868	505	0	248	0	-102	
9	2577.98	169,876	-245	0	0	847	795	0	404	0	107	
10	2577.90	169,772	-104	0	0	823	142	0	447	0	-338	
11	2578.21	170,173	401	0	0	800	0	0	474	0	75	
12	2578.21	170,173	0	0	0	776	0	0	470	0	-306	
13	2578.27	170,250	77	0	0	747	0	0	668	0	-2	
14	2578.25	170,224	-26	0	0	699	0	0	715	0	-10	
15	2578.17	170,121	-103	0	0	635	0	0	930	0	192	
16	2578.06	169,979	-142	0	0	575	0	0	949	0	232	
17	2577.95	169,837	-142	0	24	524	0	0	670	0	-20	
18	2577.40	169,128	-709	0	50	449	0	0	1,050	0	-158	
19	2577.29	168,986	-142	0	45	399	0	0	637	0	51	
20	2577.16	168,819	-167	0	111	401	0	0	977	0	298	
21	2576.81	168,369	-450	0	112	380	0	0	720	0	-222	
22	2576.98	168,588	219	0	112	390	0	0	568	0	285	
23	2577.40	169,128	540	0	111	521	0	0	43	0	-49	
24	2578.04	169,953	825	0	0	444	0	0	48	0	429	
25	2578.20	170,160	207	0	0	407	0	0	468	0	268	
26	2578.14	170,082	-78	0	0	380	0	0	656	0	198	
27	2578.07	169,992	-90	0	0	372	0	0	732	0	270	
28	2577.78	169,617	-375	0	0	378	0	0	442	0	-311	
29	2577.74	169,566	-51	0	0	370	0	0	490	0	69	
30	2577.76	169,592	26	0	0	359	0	0	307	0	-26	
31	2577.73	169,553	-39	0	0	354	0	0	426	0	33	
Total				2,144	0	565	19,522	5,111	0	14,443	0	1,611

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Feb 28	1508.50	18,612								
1	1508.20	18,498	-114	491	520	0	520	886	281	
2	1508.00	18,423	-75	660	512	0	512	1,024	289	
3	1507.70	18,310	-113	464	483	0	483	643	66	
4	1507.40	18,197	-113	356	467	0	467	601	132	
5	1507.50	18,235	37	718	446	0	446	834	153	
6	1507.50	18,235	0	621	407	0	407	664	43	
7	1507.00	18,048	-187	359	361	0	361	485	-61	
8	1506.90	18,011	-37	505	315	0	315	467	-75	
9	1506.90	18,011	0	795	260	0	260	715	-80	
10	1506.10	17,714	-297	142	231	0	231	310	-129	
11	1506.20	17,751	37	0	207	0	207	47	84	
12	1506.60	17,899	148	0	189	0	189	0	148	
13	1507.10	18,085	186	0	173	0	173	0	186	
14	1507.60	18,272	187	0	180	0	180	0	187	
15	1508.00	18,423	150	0	232	0	232	0	150	
16	1508.30	18,536	113	0	222	0	222	0	113	
17	1508.70	18,687	152	0	207	0	207	0	152	
18	1509.20	18,878	190	0	200	0	200	0	190	
19	1509.70	19,069	191	0	201	0	201	0	191	
20	1510.10	19,223	154	0	179	0	179	0	154	
21	1502.17	16,288	-2,935	0	133	0	133	0	-2,935	
22	1507.20	18,123	1,835	0	184	0	184	0	1,835	
23	1507.80	18,347	225	0	289	0	289	0	225	
24	1508.30	18,536	188	0	242	0	242	0	188	
25	1506.40	17,825	-711	0	201	0	201	282	-429	
26	1503.90	16,910	-915	0	176	0	176	312	-603	
27	1501.40	16,018	-892	0	161	0	161	41	-851	
28	1501.40	16,018	0	0	152	0	152	100	100	
29	1501.70	16,124	106	0	146	0	146	0	106	
30	1502.40	16,372	248	0	143	0	143	0	248	
31	1502.52	16,415	43	0	133	0	133	0	43	
Total				-2,197	5,111	7,952	0	7,952	7,411	103

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries		
				Natural	Project				
Feb 28	1507.86	307,970							
1	1507.60	307,406	-564	520	886	438	12	605 -1,791	
2	1507.40	306,973	-433	512	1,024	395	133	1,919 -312	
3	1507.04	306,194	-779	483	643	337	502	1,919 179	
4	1506.89	305,869	-325	467	601	351	329	1,779 364	
5	1506.89	305,869	0	446	834	303	196	1,779 392	
6	1506.86	305,804	-65	407	664	276	446	846 -120	
7	1506.65	305,351	-453	361	485	250	895	846 192	
8	1506.33	304,660	-691	315	467	235	964	846 102	
9	1506.09	304,142	-518	260	715	220	970	854 111	
10	1505.67	303,238	-904	231	310	203	901	853 106	
11	1505.13	302,078	-1,160	207	47	191	1,003	496 -106	
12	1504.62	300,985	-1,093	189	0	183	1,002	20 -443	
13	1504.23	300,150	-835	173	0	176	1,001	20 -163	
14	1503.81	299,253	-897	180	0	176	1,000	20 -233	
15	1503.34	298,251	-1,002	232	0	166	1,118	20 -262	
16	1502.87	297,251	-1,000	222	0	158	1,202	20 -158	
17	1502.34	296,125	-1,126	207	0	151	1,211	20 -253	
18	1501.89	295,172	-953	200	0	149	1,143	20 -139	
19	1501.50	294,347	-825	201	0	160	1,423	20 257	
20	1501.06	293,417	-930	179	0	159	1,029	20 -219	
21	1502.12	295,651	2,234	133	0	151	1,105	20 3,075	
22	1501.16	293,628	-2,023	184	0	281	1,030	20 -1,438	
23	1500.83	292,932	-696	289	0	331	973	20 -323	
24	1500.50	292,237	-695	242	0	229	833	0 -333	
25	1500.67	292,595	358	201	282	220	797	0 452	
26	1500.86	292,996	401	176	312	178	805	0 540	
27	1500.74	292,743	-253	161	41	158	892	0 279	
28	1500.41	292,048	-695	152	100	152	965	0 -134	
29	1499.96	291,102	-946	146	0	144	892	0 -344	
30	1499.53	290,200	-902	143	0	136	892	0 -289	
31	1499.11	289,321	-879	133	0	128	892	0 -248	
Total			-18,649	7,952	7,411	6,785	26,556	12,982 -1,259	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Rec.	Article 21	Local	Flexible Payback	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		467						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
		Warne Power Plant	14.07		0						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0						
			14.10	United Water Conservation Dist.	0						
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0						
		Castaic Power Plant	25.82	(0 AF pumpback) 2/	5,111						
29J	W4	Elderberry Forebay									
		Forebay Dam	28.12								
30 1/	W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	30						
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWD - 78"	6,017						
				MWD - 132"	19,259						
				Castaic Lake WA - T1	1,213						
				Castaic Lake WA	37						
				United Water Conservation Dist.	0						
				MWD - Ventura County FCD	0						
				LA Co. Parks & Recreation	0						
				Releases to Lagoon	12,982						
				Reach 30 Subtotal:	26,556	1,250	30	25,276	0	0	
	W6	Castaic Lagoon		Recreation to Lagoon	0						
		Castaic Lagoon Outlet	31.87		13,055						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value supplied by LADWP, not verified by DWR.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.			
Feb 28	3349.07	69,304											
1	3349.04	69,276	-28	2,788	0	612	0	0	2,727	0	617	-84	
2	3349.04	69,276	0	2,920	0	549	0	0	2,798	0	615	-56	
3	3349.13	69,360	84	2,935	0	499	0	0	2,669	0	615	-66	
4	3349.13	69,360	0	2,995	0	511	0	0	2,781	0	619	-106	
5	3349.49	69,697	337	3,006	0	486	1	0	2,508	0	619	-27	
6	3350.36	70,516	819	3,694	0	427	1	1	2,622	0	564	-114	
7	3350.73	70,865	350	2,689	0	381	1	0	2,342	0	396	19	
8	3350.70	70,837	-28	2,206	0	348	1	0	2,063	0	393	-125	
9	3350.87	70,998	161	2,216	0	318	0	0	2,069	0	362	58	
10	3351.09	71,207	209	2,090	0	301	3	0	1,933	0	292	45	
11	3350.98	71,102	-104	1,945	0	268	3	1	1,932	0	232	-150	
12	3351.37	71,473	370	2,362	0	251	1	0	1,999	0	201	-42	
13	3352.86	72,897	1,424	3,319	0	238	0	0	2,056	0	198	121	
14	3352.97	73,003	106	2,364	0	234	0	0	2,239	0	204	-49	
15	3352.47	72,523	-480	1,844	0	221	4	1	2,300	0	198	-42	
16	3352.24	72,302	-220	1,984	0	202	4	0	2,267	0	200	65	
17	3351.96	72,035	-268	2,140	0	189	3	0	2,326	0	199	-68	
18	3351.15	71,264	-771	1,767	0	193	4	0	2,522	0	239	33	
19	3350.61	70,752	-512	1,986	0	242	1	1	2,500	0	297	59	
20	3350.67	70,809	57	2,319	0	242	0	0	2,300	0	304	100	
21	3350.05	70,223	-585	2,116	0	207	0	0	2,387	0	300	-221	
22	3350.75	70,884	661	2,619	0	323	3	0	2,205	0	301	228	
23	3351.54	71,634	750	3,116	0	486	3	0	2,336	0	490	-23	
24	3352.97	73,003	1,368	3,750	0	281	3	0	2,157	0	519	16	
25	3352.70	72,743	-259	2,128	0	234	1	0	2,082	0	407	-131	
26	3352.83	72,868	125	2,325	0	207	0	0	2,040	0	334	-33	
27	3353.87	73,871	1,003	2,859	0	189	0	0	1,949	0	304	208	
28	3353.96	73,958	87	2,496	0	171	0	0	2,089	0	301	-190	
29	3353.73	73,736	-223	1,928	0	150	0	0	2,091	0	303	93	
30	3354.12	74,113	378	2,414	0	135	2	0	1,986	0	252	69	
31	3353.76	73,765	-349	1,888	0	121	0	0	2,201	0	203	46	
Total				4,461	77,208	0	9,216	38	4	70,476	0	11,078	-367
1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.												1,089	

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

March 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Feb 28	1583.60	116,909				
1	1583.60	116,909	0		11	
2	1583.54	116,776	-133		10	
3	1583.60	116,909	133		11	
4	1583.63	116,976	67		11	
5	1583.60	116,909	-67		9	
6	1583.60	116,909	0		10	
7	1583.60	116,909	0		10	
8	1583.65	117,020	111		10	
9	1583.60	116,909	-111		10	
10	1583.60	116,909	0		9	
11	1583.60	116,909	0		10	
12	1583.54	116,776	-133		11	
13	1583.52	116,731	-45		9	
14	1583.54	116,776	45		382	
15	1583.54	116,776	0		705	
16	1583.74	117,220	444		605	
17	1583.90	117,576	356		603	
18	1583.98	117,754	178		606	
19	1584.20	118,245	491		605	
20	1584.31	118,491	246		605	
21	1584.48	118,870	379		605	
22	1584.70	119,363	493		604	
23	1584.86	119,721	358		607	
24	1584.89	119,788	67		604	
25	1585.11	120,282	494		605	
26	1585.19	120,462	180		610	
27	1585.44	121,024	562		614	
28	1585.55	121,272	248		595	
29	1585.74	121,700	428		626	
30	1585.80	121,836	136		614	
31	1585.93	122,129	293		614	
Total			5,220	18,583	10,940	-2,423

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

March 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	Rec.	Transfer	Purchase Pool A	Transfer Local Out	
	No.	Structure	Mile							
17E	40	Edmonston Pumping Plant	293.45	81,817	1					
	41		298.65	Kern County Water Agency Tej.-Cas						
17F		Check No. 41	303.41							
18A	42		304.80	Antelope Valley-East Kern WA	1					
		Check No. 42	304.99							
19	43	Alamo Powerplant	305.73	(Does not include 6,280 AF flow down Cottonwood Chute)	74,815	287	53	341	0	
			308.05	Antelope Valley-East Kern WA	0					
		Check No. 43	309.70							
	44		311.84	LADWP Connection	0					
			313.50	AVEK 245th Street West	0					
	45	Check No. 44	314.81							
			314.93	AVEK 235th Street West	0					
	46		315.57	AVEK 225th Street West	0					
		Check No. 45	319.74							
			323.19	Antelope Valley-East Kern WA Fairmont	287					
				Mojave Water Agency Fairmont	53					
		Check No. 46	323.84							
				Reach 19 Total:	341					
20A	47	Check No. 47	326.77			30	1,438	48	339	
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	30					
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed					
		Check No. 48	330.82							
	49	Check No. 49	335.93							
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0					
				Antelope Valley-East Kern WA	1,438					
			339.68	Antelope Valley-East Kern WA	48					
20B	Check No. 50	341.51				81	47	127	16	
	51	Check No. 51	342.07							
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use					
		Check No. 52	343.74							
	53		346.98	PWD Palmdale	339					
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	81					
		Check No. 53	348.17							
21	54	Check No. 54	350.25			47	16	127	127	
	55	Check No. 55	352.70							
	56	Check No. 56	354.76							
			354.97	Littlerock Creek I.D.	0					
	57	Check No. 57	356.93							
22A	58		357.60	Antelope Valley-East Kern WA	47	16	127	127	127	
			357.72	Antelope Valley-East Kern WA 96th Street East	16					
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	127					

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

March 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Recreation	Article 21	Transfer	Local	
	No.	Structure	Mile								
22B	58	Pearblossom Pumping Plant	360.61		76,332	228	69	1/ 1,089	20		
	59	Check No. 59	366.09								
	60		366.50	Antelope Valley-East Kern WA	0						
		Check No. 60	373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63		389.20	Mojave Water Agency Mojave River	228						
			394.60	Mojave Water Agency Temporary	0						
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
	66		401.10	Mojave Water Agency Morongo 24" and 42"	69						
				Mojave Water Agency Hesperia	0						
		Check No. 66	403.41								
23	67	Mojave Siphon	405.48	Las Flores Ranch	1,089	18	4	1/ 1,089	20		
24		Mojave Siphon Powerplant	405.65		77,208						
25		Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency	38						
				Calif. State Park Silverwood Agency (Rec.)	4						
		San Bernardino Tunnel Intake	407.70		70,476						
	68	Devil Canyon Powerplant	412.73		70,476	3,810	14,970	14,970	2/ 71		
26A		Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto	14,970						
				Desert Water Agency (MWD Wheeling Exchange)	3,810						
				Coachella Valley WD (MWD Wheeling Exchange)	3,300						
				MWD-EBX	14,601						
				East Branch Extension	71						
28G	69	Santa Ana Valley Pipeline	425.46			3,300	14,601	2/ 71	4,461		
28H			433.06	MWD-SC Box Springs	4,461						
			440.05	MWD-SC Perris Bypass Pipeline	12,724						
28J		Lake Perris	442.00	MWD-SC 18"	306						
			443.44	MWD-SC 54"	3,592						
				MWD-SC 78"	7,042						
				Calif. State Park Lake Perris Recreation	0						
				MWD Total:	90,082	0	0	82,972	7,110	0	

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Stream Flow.

2/ Includes 0 AF to San Gabriel Valley MWD, 56 AF to San Bernardino Valley MWD, and 15 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

March 2005

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	42	96	83	78	83	84	83	84	77
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.2	0.4	0.4	0.4	0.3	0.3	0.3	0.2
Bromide	mg/l	<0.01	0.06	0.19	0.21	0.20	0.18	0.17	0.16	0.15
Calcium	mg/l	9	14	30	31	31	30	30	30	27
Carbon - Dissolved Organic	mg/l as C	NR	15	5	4	5	6	6	6	6
Carbon - Total Organic	mg/l as C	NR	17	5	4	5	6	6	6	6
Chloride	mg/l	1	36	69	76	71	65	63	61	56
Chromium	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Copper	mg/l	<0.001	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fluoride	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	39	93	141	143	143	141	141	141	125
Iron	mg/l	<0.005	0.135	0.007	<0.005	0.010	0.016	0.014	0.020	0.012
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	14	16	16	16	16	16	16	14
Manganese	mg/l	<0.005	0.029	0.008	<0.005	0.006	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.12	1.30	NR	1.30	1.40	1.40	1.40	1.40
Phosphorus-Ortho	mg/l as P	<0.01	0.22	0.10	NR	0.11	0.13	<0.01	0.12	0.10
Phosphorus-Total	mg/l	0.01	0.47	0.19	NR	0.16	0.18	0.18	0.18	0.14
Selenium	mg/l	<0.001	<0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001
Sodium	mg/l	4	43	61	70	62	57	57	53	46
Specific Conductance	µS/cm	87	356	546	581	552	528	520	500	435
Sulfate	mg/l	2	24	77	88	77	72	72	66	49
Total Dissolved Solids	mg/l	62	214	322	343	328	308	311	298	NR
Turbidity	NTU	6	48	25	19	6	9	9	12	4
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

March 2005

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm										Cl in mg/l
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	3.09	1.28	31,466	31,466	23,650	0.30	0.19	0.24	0.25	0.29	0.29	0.56	0.59	0.57	64
2	3.47	1.43	33,261	32,363	24,282	0.30	0.19	0.25	0.25	0.29	0.29	0.40	0.60	0.58	65
3	3.34	1.44	38,355	34,361	27,331	0.30	0.19	0.25	0.25	0.29	0.29	0.40	0.59	0.57	68
4	3.46	1.58	40,648	35,933	29,708	0.30	0.19	0.25	0.25	0.29	0.29	0.40	0.71	0.56	68
5	3.44	1.52	36,750	36,096	28,459	0.30	0.19	0.24	0.25	0.30	0.29	0.40	0.70	0.52	72
6	3.34	1.39	35,231	35,952	27,198	0.30	0.19	0.24	0.24	0.30	0.29	0.40	0.72	0.52	78
7	3.41	1.38	30,854	35,224	24,641	0.30	0.19	0.23	0.24	0.29	0.29	0.40	0.77	0.53	76
8	3.24	1.20	26,719	34,161	22,212	0.30	0.17	0.23	0.24	0.29	0.29	0.40	0.82	0.55	84
9	3.15	1.15	25,638	33,214	20,434	0.30	0.20	0.24	0.24	0.29	0.29	0.40	0.85	0.56	78
10	3.12	1.19	25,573	32,450	18,952	0.30	0.20	0.24	0.24	0.29	0.29	0.40	0.88	0.57	86
11	2.89	1.25	24,742	31,749	18,244	0.30	0.17	0.25	0.24	0.29	0.29	0.40	0.90	0.57	80
12	3.11	1.47	23,962	31,100	17,651	0.30	0.21	0.25	0.24	0.29	0.29	0.40	0.90	0.57	86
13	3.37	1.48	21,534	30,364	17,091	0.30	0.21	0.26	0.24	0.30	0.29	0.40	0.91	0.57	86
14	3.27	1.25	22,539	29,805	16,645	0.30	0.21	0.26	0.25	0.30	0.29	0.40	0.92	0.56	88
15	3.10	1.16	21,992	29,284	16,297	0.30	0.21	0.26	0.25	0.30	0.29	0.40	0.92	0.58	90
16	2.94	1.22	21,477	28,796	15,751	0.31	0.21	0.26	0.25	0.30	0.29	0.40	0.92	0.56	90
17	2.75	1.25	18,941	28,217	15,426	0.31	0.21	0.26	0.25	0.30	0.30	0.40	0.92	0.60	90
18	2.79	1.35	17,774	27,637	15,049	0.31	0.22	0.25	0.25	0.30	0.30	0.40	0.91	0.59	90
19	3.45	1.97	17,138	27,084	14,741	0.30	0.82	0.25	0.25	0.30	0.30	0.40	0.90	0.59	82
20	3.07	1.75	20,773	26,768	17,384	0.32	0.85	0.24	0.25	0.30	0.30	0.40	0.74	0.60	76
21	2.61	1.18	24,379	26,655	19,416	0.32	0.44	0.23	0.25	0.30	0.30	0.40	0.76	0.59	76
22	3.48	1.86	27,194	26,679	20,258	0.32	0.75	0.23	0.25	0.30	0.30	0.40	0.39	0.54	70
23	3.26	1.71	37,240	27,138	25,268	0.31	0.44	0.23	0.25	0.29	0.30	0.40	0.41	0.56	60
24	2.88	1.36	49,779	28,082	27,323	0.29	0.24	0.22	0.25	0.28	0.30	0.40	0.57	0.59	58
25	2.79	1.27	60,880	29,394	37,803	0.27	0.20	0.22	0.24	0.27	0.30	0.40	0.68	0.52	58
26	2.76	1.15	72,121	31,037	49,924	0.25	0.18	0.19	0.24	0.26	0.29	0.40	0.76	0.48	54
27	2.99	1.61	71,038	32,519	50,551	0.24	0.16	0.17	0.23	0.26	0.29	0.40	0.85	0.41	52
28	3.74	1.69	64,909	33,675	47,213	0.26	0.15	0.17	0.23	0.25	0.29	0.40	0.90	0.37	54
29	3.41	1.39	63,148	34,692	43,432	0.25	0.14	0.17	0.22	0.25	0.28	0.40	0.89	0.31	52
30	2.96	1.01	58,468	35,484	38,915	0.23	0.15	0.18	0.22	0.26	0.28	0.40	0.94	0.31	52
31	2.87	0.92	55,528	36,131	36,613	0.24	0.14	0.18	0.21	0.26	0.28	0.40	0.93	0.31	54

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

N.C. = Not computed due to insufficient data.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

March 2005

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	March 16, 2005	Simazine	0.24
California Aqueduct At Banks Pumping Plant	March 16, 2005	Simazine Chlorpyrifos Diuron	0.11 0.03 0.68
O'Niell Forebay Outlet Check 13	March 16, 2005	Chlorpyrifos Simazine Diuron	0.02 0.13 0.88
Delta Mendota Canal At McCabe Road	March 16, 2005	Diuron Simazine	0.48 0.05
California Aqueduct Near Kettleman City (Check 21)	March 15, 2005	Simazine Diuron	0.12 0.78
California Aqueduct Near Highway 119 (Check 29)	March 15, 2005	Simazine Diuron	0.15 0.82
California Aqueduct At Tehachapi Afterbay (Check 41)	March 16, 2005	Simazine Diuron	0.20 1.40
Devil Canyon Head Works	March 16, 2005	Diuron Simazine	1.70 0.20

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)		March 2005						
Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	1,453,280	0	8,890	21,090	2,126,260	2,126,260	50,390	400
2	1,803,210	0	8,770	21,390	2,213,020	2,213,020	60,920	380
3	1,139,250	0	9,550	22,410	2,221,690	2,221,690	40,290	390
4	1,160,260	0	9,160	21,410	2,657,160	2,657,160	49,950	410
5	1,365,530	0	7,860	21,080	2,675,980	2,675,980	48,240	410
6	3,185,170	0	8,100	22,020	2,689,150	2,689,150	48,300	400
7	2,270,800	0	8,990	22,710	2,726,600	2,726,600	48,450	410
8	1,896,150	0	9,660	22,680	2,667,910	2,667,910	78,880	410
9	1,260,490	0	9,640	21,890	1,675,390	1,675,390	118,680	410
10	2,027,540	800	9,960	22,660	594,600	594,600	138,920	410
11	757,030	120	9,970	23,410	529,510	529,510	152,800	410
12	1,522,550	180	9,470	24,520	525,900	525,900	133,150	380
13	1,693,970	1,090	8,690	24,820	1,404,740	1,404,740	123,600	380
14	2,026,650	0	10,370	24,880	622,890	622,890	148,720	380
15	5,537,450	0	10,360	25,420	605,700	605,700	159,950	380
16	5,046,650	0	12,040	26,630	1,066,820	1,066,820	166,780	400
17	1,764,260	520	11,400	23,260	2,755,890	2,755,890	153,080	410
18	1,673,780	1,550	1,950	9,330	3,063,700	3,063,700	143,470	420
19	1,013,710	2,600	440	2,950	3,006,930	3,006,930	92,090	390
20	41,970	8,980	440	530	3,102,100	3,102,100	63,490	400
21	257,360	8,400	450	530	2,848,660	2,848,660	64,320	430
22	746,590	8,510	450	520	2,596,580	2,596,580	64,890	470
23	2,982,290	4,770	440	520	2,477,950	2,477,950	44,290	450
24	3,648,950	0	340	520	2,432,300	2,432,300	55,420	440
25	1,995,600	3,220	440	370	1,978,380	1,978,380	57,400	480
26	1,050,130	1,620	440	520	1,923,830	1,923,830	55,880	460
27	43,240	7,880	440	520	1,923,150	1,923,150	54,980	460
28	1,638,000	2,770	2,760	530	1,910,700	1,910,700	51,720	490
29	791,160	4,140	2,330	1,380	1,922,740	1,922,740	47,190	500
30	309,030	5,640	1,860	3,220	1,927,920	1,927,920	108,490	500
31	2,168,550	1,900	1,890	5,190	1,891,080	1,891,080	161,630	440
Total	54,270,600	64,690	177,550	418,910	62,765,230	62,765,230	2,786,360	13,100

Table 36. San Luis Field Division Energy Data

(in kWh)

March 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,286,830	1,142,830	335,910	335,910	2,346,580	-101,420
2	1,317,660	1,173,660	0	0	2,466,840	18,840
3	1,043,820	899,820	0	0	2,460,220	12,220
4	1,245,930	1,101,930	0	0	2,456,070	8,070
5	1,224,080	1,080,080	0	0	2,452,900	4,900
6	1,072,250	928,250	0	0	2,453,410	2,453,410
7	1,066,180	922,180	0	0	2,454,030	1,278,030
8	1,247,610	1,103,610	0	0	2,450,990	2,990
9	1,142,760	1,142,760	0	0	2,444,220	-3,780
10	1,113,020	1,113,020	0	0	2,432,530	-15,470
11	1,355,790	1,355,790	0	0	22,450	22,450
12	1,192,750	1,192,750	0	0	18,980	18,980
13	1,319,920	1,319,920	0	0	19,260	19,260
14	1,176,570	1,176,570	0	0	20,310	20,310
15	1,364,760	1,172,760	0	0	19,980	19,980
16	1,209,480	1,017,480	0	0	19,930	19,930
17	1,324,640	1,132,640	0	0	19,550	19,550
18	1,514,730	1,242,730	0	0	19,610	19,610
19	1,457,320	1,185,320	0	0	19,990	19,990
20	1,390,640	1,126,640	0	0	19,680	19,680
21	1,372,690	1,100,690	0	0	18,700	18,700
22	1,590,500	1,318,500	0	0	21,440	21,440
23	1,540,950	1,268,950	0	0	623,430	215,430
24	1,586,450	1,314,450	0	0	439,980	31,980
25	1,515,050	1,171,050	0	0	21,410	21,410
26	1,475,960	1,131,960	0	0	19,620	19,620
27	1,340,560	1,004,560	0	0	19,750	19,750
28	1,141,640	797,640	0	0	22,230	22,230
29	1,268,170	924,170	0	0	17,710	17,710
30	1,628,470	1,132,470	0	0	17,970	17,970
31	1,464,580	968,580	0	0	19,200	19,200
Total	40,991,760	34,663,760	335,910	335,910	25,858,970	4,282,970

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

March 2005

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	6,880	18,850	36,900	34,490	37,200	712,030	757,920	1,681,930	6,217,990
2	6,780	17,690	25,160	23,430	26,150	868,160	861,820	1,932,040	7,017,980
3	7,160	18,390	35,150	33,370	35,650	767,700	859,210	1,914,080	7,023,270
4	9,440	25,400	34,380	31,830	34,750	801,300	846,940	1,896,810	7,026,430
5	5,340	14,380	38,280	35,970	39,340	815,430	855,900	1,907,600	7,029,420
6	9,740	24,900	41,490	38,930	42,260	904,960	976,450	2,180,970	8,125,410
7	10,610	28,350	29,390	27,820	30,640	622,340	701,110	1,569,600	5,687,250
8	13,510	36,330	31,810	29,830	32,290	738,210	744,770	1,671,540	6,031,150
9	12,010	31,680	34,920	32,810	36,170	604,960	626,680	1,362,560	4,992,920
10	10,840	28,910	33,390	30,870	33,750	603,900	629,050	1,392,360	4,885,060
11	10,520	27,930	32,980	30,760	33,720	616,710	609,790	1,338,240	4,945,830
12	10,870	28,730	36,150	34,290	37,050	634,780	636,970	1,414,510	5,176,390
13	7,810	20,000	39,480	36,800	40,440	926,230	954,700	2,146,620	7,913,270
14	4,140	10,350	26,120	24,720	25,900	622,050	635,650	1,389,250	5,015,680
15	8,610	22,260	40,470	37,760	41,050	659,160	682,140	1,482,170	5,248,850
16	8,670	22,430	38,550	36,720	39,510	565,230	598,430	1,294,320	4,619,400
17	9,670	24,830	40,620	38,480	42,290	688,080	648,580	1,391,720	5,005,580
18	10,390	26,980	43,750	41,230	43,650	597,040	604,730	1,324,050	4,795,770
19	9,740	25,110	42,720	39,730	43,600	489,800	528,600	1,134,970	4,105,940
20	5,800	15,990	44,050	41,070	45,750	704,630	711,340	1,577,210	5,780,460
21	5,410	13,580	27,390	26,030	28,340	722,230	805,320	1,740,690	6,314,490
22	9,030	23,280	36,410	33,940	37,030	772,730	778,740	1,707,050	6,296,590
23	8,970	23,660	34,380	32,590	34,810	920,070	917,970	2,015,640	7,455,970
24	13,020	34,350	33,790	31,530	34,350	927,140	969,840	2,123,790	7,761,990
25	10,940	29,900	32,590	30,790	33,670	886,740	985,860	2,164,140	8,054,480
26	13,430	35,680	36,220	33,590	36,440	557,880	592,350	1,303,830	4,757,860
27	5,330	14,380	38,650	36,050	39,510	714,120	719,800	1,588,330	5,853,570
28	6,900	17,950	37,300	34,860	38,150	772,550	829,970	1,847,240	6,764,120
29	14,130	35,780	38,140	35,790	39,290	548,140	588,700	1,278,130	4,780,780
30	14,980	38,940	35,740	33,110	36,000	748,210	763,860	1,675,620	6,150,900
31	13,580	36,100	36,300	34,370	36,890	536,310	562,480	1,184,380	4,351,000
Total	294,250	773,090	1,112,670	1,043,560	1,135,640	22,048,820	22,985,670	50,631,390	185,185,800

Table 38. Southern Field Division Energy Data

(in kWh)

March 2005

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	8,059	0	0	301,078	1,777,139	3,304,480	225,445	12,463	18,950	497
2	7,693	0	0	335,018	1,993,679	3,385,117	240,042	687	546	535
3	7,535	0	0	340,912	2,013,041	3,254,272	242,118	717	476	572
4	7,624	0	0	340,803	2,014,875	3,368,384	241,505	796	536	553
5	7,554	0	0	341,119	2,011,426	3,059,415	242,267	805	605	478
6	7,287	0	0	387,312	2,394,247	3,192,553	293,404	668	536	460
7	7,089	0	0	276,652	1,724,875	2,863,697	212,164	619	476	469
8	7,089	0	0	291,752	1,478,744	2,536,214	172,913	579	466	441
9	7,257	0	0	230,320	1,468,804	2,516,475	173,388	570	466	769
10	7,277	0	0	230,222	1,387,478	2,370,728	162,193	521	486	582
11	7,188	0	0	232,694	1,261,705	2,372,567	154,035	530	486	516
12	7,119	0	0	245,194	1,580,150	2,423,230	170,955	560	486	460
13	7,000	0	0	370,619	2,198,295	2,514,824	258,900	697	476	375
14	7,386	0	0	239,755	1,596,500	2,744,294	173,279	658	466	469
15	7,376	0	0	245,115	1,285,314	2,852,878	142,504	638	466	460
16	7,218	0	0	214,043	1,336,830	2,810,839	151,978	619	476	422
17	7,307	0	0	235,166	1,500,010	2,883,159	168,048	638	456	441
18	8,178	0	0	229,242	1,202,413	3,067,455	126,028	16,706	18,851	460
19	8,079	0	0	185,265	1,252,592	3,040,852	148,972	1,542	466	394
20	7,901	0	0	297,716	1,665,344	2,808,327	181,715	1,532	486	441
21	7,861	0	0	292,969	1,466,261	2,907,140	166,406	1,463	486	460
22	7,990	0	0	283,801	1,718,514	2,666,317	200,811	1,542	466	478
23	8,158	0	0	358,347	2,152,413	2,864,745	234,553	1,621	556	488
24	8,079	0	0	373,457	2,298,724	2,673,388	276,711	1,316	615	497
25	36,446	0	0	364,419	1,814,417	2,585,018	161,521	884	585	488
26	36,267	0	0	222,409	1,559,801	2,498,724	174,189	727	526	469
27	7,812	0	0	280,667	1,631,934	2,413,914	209,533	599	456	460
28	38,822	0	0	318,612	1,760,788	2,590,783	188,469	687	466	722
29	22,386	0	0	206,962	1,261,525	2,589,369	138,786	697	506	778
30	25,426	0	0	278,372	1,568,734	2,445,491	179,925	619	486	788
31	7,851	0	0	198,032	1,228,694	2,712,144	144,324	17,177	22,611	994
Total	356,317	0	0	8,748,042	51,605,264	86,316,792	5,957,081	69,878	74,422	16,413

/1 Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations